

[illegible]

PTO/SB/08A (10-96)

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INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(use as many sheets as necessary)

Complete if Known

Application Number	10/501,802
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Filing Date	23 June 2003
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First Named Inventor	Joseph C. Marron
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Group Art Unit	unknown
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Examiner Name	
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Attorney Docket Number	Marion 06/03-2
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U.S. PATENT DOCUMENTS

[illegible]

FOREIGN PATENT DOCUMENTS

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PTO/SB/088 (10-95)

OTPE JC109
SEP 02 2000
PATENT & TRADEMARK

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INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(use as many sheets as necessary)

Complete if Known

Application Number	10/601,802
Filing Date	23 June 2003
First Named Inventor	Joseph C. Marron
Group Art Unit	unknown
Examiner Name	Unknown
Attorney Docket Number	Marron 06/03-2

Sheet 2 of 4

OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS

Examiner Initials*	Cite No.†	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city, and/or country where published.	T‡
SAT	✓	"Multiple-wavelength Interferometry With Tunable Source", R.G. Pilston and G.N. Steinberg, Applied Optics, Vol. 8, No. 3, March 1969, pp. 552-556	
↑	✓	"Two-wavelength Interferometry", D. Malacara, editor, Optical Shop Testing, New York, Wiley, 1978, pp. 397-402	
	✓	"Multiple-wavelength Phase-shifting Interferometry", Y. Cheng and J.C. Wyant, Applied Optics, Vol. 24, No. 6, 15 March 1985, pp. 804-806	
	✓	"Distance measurement by the wavelength shift of laser diode light", H. Kikuta, K. Iwata, and R. Nagata, Applied Optics, Vol. 25, No. 17, 1 September 1986, pp. 2976-2980	
	✓	"Interferometer for measuring displacement and distance", T. Kubota, M. Nara, and T. Yoshino, Optics Letters, Vol. 12, No. 5, May 1987, pp. 310-312	
	✓	"Three-color laser-diode interferometer", P. de Groot, Applied Optics, Vol. 30, No. 25, 1 September 1991, pp. 3612-3616	
	✓	"Wavelength-shift Interferometry for distance measurements using the Fourier transform technique for fringe analysis", M. Suematsu and M. Takeda, Applied Optics, Vol. 30, No. 28, 1 October 1991, pp. 4046-4055	
70	✓	"Three-dimensional lensless imaging using laser frequency diversity", J.C. Marron and K.S. Schroeder, Applied Optics, Vol. 31, No. 2, 10 January 1992, pp. 255-262	
	✓	"Holographic laser radar", J.C. Marron and K.S. Schroeder, Optics Letters, Vol. 18, No. 5, 1 March 1993, pp.385-387	
	✓	"Use of a opacity constraint in three-dimensional imaging", R.G. Paxman, J.H. Seldin, J.R. Fienup, and J.C. Marron, in proceedings of the SPIE Conference on Inverse Optics III, Orlando, Florida, April 1994	
SAT	✓	"Applications of Tunable Lasers to Laser Radar and 3D Imaging", L.G. Shirley and G.R. Hallerman, Technical Report 1025, Lincoln Laboratory, MIT, Lexington, Massachusetts, 26 February 1996	

Examiner Signature	S.A. Turner	Date Considered	12-8-03
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INFORMATION DISCLOSURE STATEMENT BY APPLICANT

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Complete if Known

Application Number	10/601,802
Filing Date	23 June 2003
First Named Inventor	Joseph C. Marron
Group Art Unit	unknown
Examiner Name	Unknown
Attorney Docket Number	Marron 08/03-2

Sheet 3 of 4

OTHER PRIOR ART – NON PATENT LITERATURE DOCUMENTS

Examiner Initials ¹	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city, and/or country where published.	T ²
SJT		✓ "Wavelength scanning profilometry for real-time surface shape measurement", S. Kuwamura and I. Yamaguchi, <i>Applied Optics</i> , Vol. 36, No. 19, 1 July 1997, pp. 4473-4482	
↑		✓ "Three-dimensional imaging using a tunable laser source", J.C. Marron and K.W. Gleichman, <i>Optical Engineering</i> 39(1) 47-51, January 2000, pp. 47-51	
		✓ "Spectrally narrow pulsed dye laser without beam expander", M.G. Littman and H.J. Metcalf, <i>Applied Optics</i> , Vol. 17, No. 14, 15 July 1978, pp. 2224-2227	
		✓ "A simple extended-cavity diode laser", A.S. Arnold, J.S. Wilson, and M.G. Boshier, <i>Review of Scientific Instruments</i> , Vol. 69, No. 3, March 1998, pp. 1236-1239	
		✓ "External-cavity diode laser using a grazing-incidence diffraction grating", K.C. Harvey and C.J. Myatt, <i>Optics Letters</i> , Vol. 16, No. 12, 15 June 1991, pp. 910-912	
		✓ "Novel geometry for single-mode scanning of tunable lasers", K. Liu and M.G. Littman, <i>Optics Letters</i> , Vol. 6, No. 3, March 1981, pp. 117-118	
		✓ "External-cavity frequency-stabilization of visible and infrared semiconductor lasers for high resolution spectroscopy", M.G. Boshier, D. Berkland, E.A. Hinds, and V. Sandoghar, <i>Optics Communications</i> 85, 15 September 1991, pp. 355-359	
		✓ "Widely Tunable External Cavity Diode Lasers", T. Day, M. Brownell, and I-Fan Wu, New Focus, Inc., 1275 Reamwood Avenue, Sunnydale, California	
		✓ "Littrow configuration tunable external cavity diode laser with fixed direction output beam", C.J. Hawthorn, K.P. Weber and R.E. Scholten, <i>Review of Scientific Instruments</i> , Vol. 72, No. 12, December 2001, pp. 4477-4479	
		✓ "Fizeau Interferometer", D. Malacara, editor, <i>Optical Shop Testing</i> , New York, Wiley, 1978, pp. 19-24	
SJT		✓ "Burch's Interferometer Employing Two Matched Scatter Plates", D. Malacara, editor, <i>Optical Shop Testing</i> , New York, Wiley, 1978, pp. 82-84	

Examiner Signature	S.A. Turman	Date Considered	12-8-03
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INFORMATION DISCLOSURE STATEMENT BY APPLICANT

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Complete if Known

Application Number	10601.802
Filing Date	23 June 2003
First Named Inventor	Joseph C. Marron
Group Art Unit	unknown
Examiner Name	Unknown
Attorney Docket Number	Marron 06/03-2

Sheet 4 of 4

OTHER PRIOR ART -- NON PATENT LITERATURE DOCUMENTS

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S.A.T.		*Holographic contouring by using tunable lasers", N. George and W. Li, Optics Letters, Vol. 19, No. 22, 15 November 1994, pp. 1879-1881	
		*Use of a multimode short-external-cavity laser diode for absolute-distance interferometry", P. de Groot, Applied Optics, Vol. 32, No. 22, 1 August 1993, pp. 4193-4198	
		*Three-dimensional sensing of rough surfaces by coherence radar", T. Dresel, G. Hausler, and H. Venzke, Applied Optics, Vol. 31, No. 7, 1 March 1992, pp.919-925	
		Littrow-Laser web site sacher.de/littrow.htm, 07 April 2002	
		*Tunable Diode Lasers -- Stand up to Research and Commercial Applications", B. Shine, Laser Product Line Manager, New Focus, Inc., originally published in Photonics Spectra, January 1992, pp. 102	
		*Scatter Fringes of Equal Thickness", J.M. Burch, Nature, Vol. 17, May 16, 1953, pp. 889-890.	
		*Scatter-Fringe Interferometry", J.M. Burch, J. Opt. Soc. Am. 52, 1962, pp. 600.	
		*Some Further Aspects of Scatter-Fringe Interferometry", A.H. Shoemaker and M.V.R.K. Murty, Applied Optics, Vol. 5, No. 4, April 1966, pp. 603-607.	
		*Laser Speckle and Related Phenomena", J.C. Dainty, editor, Springer-Verlag, Berlin, 1984.	
S.A.T.		*Digital Picture Processing", A. Rosenfeld, and A.C. Kak, Vol. 1., Academic Press. New York. 1982.	

Examiner
Signature

S.A. Tunon

Date

Considered

12-8-03

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